



Initial Review

BOX AF

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXAMINER: R. ROSENBERGER : ATTY DOCKET NO.: GK-BIO-292C2
APPLICANT(S): E. W. STARK : GROUP ART UNIT: 2505
SERIAL NO.: 08/385,073 : FILED: 02/07/95
TITLE: METHOD AND APPARATUS FOR OPTICAL INTERACTANCE AND TRANSMITTANCE MEASUREMENTS

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BOX AF
Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT UNDER 37 CFR §1.116

SIR:

In response to a Final Office Action dated May 16, 1996, which has a period for response that has been extended to November 18, 1996, by payment of appropriate fees, please amend the above-identified application as follows.

IN THE SPECIFICATION:

Page 4, line 27 replace "of quantitative" with --or quantitative--.

IN THE CLAIMS:

Please **AMEND** claim 55 as follows.

Claim 55. (Once Amended) A method for the non-invasive measurement of a substance in living tissue comprising:

contacting a patient with [an] said emitter means and [a] said first and second radiation detection means of said apparatus of claim 54;

emitting electromagnetic radiation through said emitter means into said patient;

detecting electromagnetic radiation which has been scattered and attenuated by said patient with said first and second radiation detection means; and

producing a quantitative measure of said substance in said living tissue by determining the ratio of the intensities of said electromagnetic radiation detected by said first and second radiation detection means.

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